From the INTERNATIONAL SEARCHING AUTHORITY To: TIE GATION OF TRANSMITTAL OF BERNSTEIN & ASSOCIATES, P.C. THE ERNATIONAL SEARCH REPORT Attn. Bernstein, Jason A. OR THE DECLARATION 6600 Peachtree Dunwoody Road, Embassy Row 400, Suite 495 SE 30 (PCT Rule 44.1) Atlanta, Georgia 30328-1649 UNITED STATES OF AMERICA Date of mailing (day/month/year) 19/09/2003 Applicant's or agent's file reference FOR FURTHER ACTION 0375.3-1-9PC See paragraphs 1 and 4 below International application No. International filing date (day/month/year) 24/01/2003 PCT/US 03/02349 Applicant THE GENERAL HOSPITAL CORPORATION The applicant is hereby notified that the International Search Report has been established and is transmitted herewith. 1. | **X** | Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 46): The time limit for filing such amendments is normally 2 months from the date of transmittal of the International Search Report; however, for more details, see the notes on the accompanying sheet. International Bureau of WIPO Where? Directly to the 34, chemin des Colombettes 1211 Geneva 20, Switzerland Fascimile No.: (41-22) 740.14.35 For more detailed instructions, see the notes on the accompanying sheet. The applicant is hereby notified that no International Search Report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that: the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices. no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made. 4. Further action(s): The applicant is reminded of the following: Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication. Within 19 months from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later). Within 20 months from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II. Name and mailing address of the International Searching Authority Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 Ka-Bo Chan NL-2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions, respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged:
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- [Where originally there were 48 claims and after amendment of some claims there are 51]:
 "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers;
 claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- [Where originally there were 15 claims and after amendment of all claims there are 11]: "Claims 1 to 15 replaced by amended claims 1 to 11."
- [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:
 - "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]: "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

It must be in the language in which the international application is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments and any accompanying statement, under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the time of filing the amendments (and any statement) with the International Bureau, also file with the International Preliminary Examining Authority a copy of such amendments (and of any statement) and, where required, a translation of such amendments for the procedure before that Authority (see Rules 55.3(a) and 62.2, first sentence). For further information, see the Notes to the demand form (PCT/IPEA/401).

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide.

F. ANT COOPERATION TREAT



INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER Sec	Notification of Transmittal of	International Search Report
, , , , , , , , , , , , , , , , , , ,	ACTION	rm PCT/ISA/220) as well as,	where applicable, item 5 below.
0375.3-1-9PC	International filing date (day/m	onth/year) /Farliget\ Dr	iority Date (day/month/year)
International application No.	·	ĺ	
PCT/US 03/02349	24/01/2003		24/01/2002
Applicant			
THE GENERAL HOSPITAL CORP	ORATION		
This International Search Report has bee according to Article 18. A copy is being tra	n prepared by this International ansmitted to the International Bu	Searching Authority and is tra reau.	nsmitted to the applicant
This International Search Report consists	of a total of 7	sheets.	
	a copy of each prior art docume		
1. Basis of the report			
a. With regard to the language, the language in which it was filed, un	international search was carried less otherwise indicated under the	l out on the basis of the internals item.	eational application in the
the international search v Authority (Rule 23.1(b)).	vas carried out on the basis of a	translation of the internationa	l application furnished to this
b. With regard to any nucleotide ar was carried out on the basis of the	nd/or amino acid sequence dis e sequence listing :	closed in the international app	olication, the international search
1	onal application in written form.		
filed together with the inte	ernational application in compute	er readable form.	
furnished subsequently to	this Authority in written form.		
, <u> </u>	this Authority in computer read		
international application a	bsequently furnished written sed as filed has been furnished.		
the statement that the inf furnished	ormation recorded in computer i	eadable form is identical to th	ne written sequence listing has been
2. X Certain claims were fou	and unsearchable (See Box I).		
3. X Unity of invention is lac	king (see Box II).		
4. With regard to the title,	ubmitted by the applicant		
	ubmitted by the applicant. shed by this Authority to read as	follows:	
the text has been establi	shed by this Authority to read as	· IOHOWS.	
		•	
1			
5. With regard to the abstract,			
	ubmitted by the applicant.		
the text has been establi within one month from the	shed, according to Rule 38.2(b) e date of mailing of this internat	by this Authority as it appear onal search report, submit co	rs in Box III. The applicant may, Imments to this Authority.
6. The figure of the drawings to be put	olished with the abstract is Figur	e No.	2
X as suggested by the app	licant.		None of the figures.
because the applicant fa	iled to suggest a figure.		
because this figure bette	r characterizes the invention.		

INTER ONAL SEARCH REPORT

national Application No

A. CLASSIFICATION OF SUBJECT IPC 7 G01N21/47

A61B3/00

G01B9/02

H03L7/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 $\begin{array}{cccc} \mbox{Minimum documentation searched} & \mbox{(classification system followed by classification symbols)} \\ \mbox{IPC 7} & \mbox{G01N} & \mbox{A61B} & \mbox{G01B} & \mbox{H03L} \\ \end{array}$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

Category °	Citation of document, with indication, where appropriate, of	Relevant to claim No.	
Х	US 6 134 003 A (BOPPART STEPH 17 October 2000 (2000-10-17) column 16, line 36 -column 17 figure 16	1-58,71, 101,102	
X	US 5 317 389 A (HOCHBERG ERIC 31 May 1994 (1994-05-31) column 5, line 45 -column 6, claims 1,2; figure 2		1-58,71, 101,102
Α	US 6 141 577 A (DELFYETT JR P AL) 31 October 2000 (2000-10- column 4, line 50 -column 5, figure 3	31)	1-58,71, 101,102
		-/ ⁻	
χ Furt	her documents are listed in the continuation of box C.	X Patent family member	s are listed in annex.
"A" docum consid "E" earlier filling o "L" docum which	ategories of cited documents : ent defining the general state of the art which is not dered to be of particular relevance document but published on or after the international date ent which may throw doubts on priority claim(s) or is cited to establish the publication date of another or other special reason (as specified)	cited to understand the pri invention "X" document of particular relev cannot be considered now involve an inventive step w "Y" document of particular relev	conflict with the application but inciple or theory underlying the vance; the claimed invention of cannot be considered to when the document is taken alone

-O-	docum	ent r	erer	nng	ŧΟ	an	ora	ıı a	ISC	IOSI	ле,	use	, exn	IDILIO	101
	other	mear	าร												
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"P" document published prior to the international filing date but later than the priority date claimed

- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of mailing of the international search report

Date of the actual completion of the international search

11 September 2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016 Authorized officer

Consalvo, D

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INTER ONAL SEARCH REPORT

national Application No

Category °		
	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Α	TEARNEY G J ET AL: "IN VIVO ENDOSCOPIC OPTICAL BIOPSY WITH OPTICAL COHERENCE TOMOGRAPHY" SCIENCE, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE,, US, vol. 276, no. 5321, 27 June 1997 (1997-06-27), pages 2037-2039, XP001041246 ISSN: 0036-8075 figure 1	1-58,71, 101,102
Α	WO 99 44089 A (GEN HOSPITAL CORP ;TEARNEY GUILLERMO J (US); BOUMA BRETT E (US); W) 2 September 1999 (1999-09-02) figure 1	1-58,71, 101,102
X	US 4 925 302 A (CUTLER GREGORY M) 15 May 1990 (1990-05-15) column 5, line 14 -column 6, line 25; figures 3,4	59-69, 85,86, 88-90, 92,93,98
X	US 4 631 498 A (CUTLER GREGORY M) 23 December 1986 (1986-12-23) claims 1-6; figure 1	59-69, 85,86, 88-90, 92,93,98
Α	GB 2 209 221 A (LITTON SYSTEMS INC) 4 May 1989 (1989-05-04)	59-69, 85,86, 88-90, 92,93,98
A	figure 6 US 6 069 698 A (TAKIZAWA HIRONOBU ET AL) 30 May 2000 (2000-05-30)	59-69, 85,86, 88-90, 92,93,98
A	the whole document US 5 491 552 A (KNUETTEL ALEXANDER) 13 February 1996 (1996-02-13) column 3, line 41 -column 7, line 62	59-69, 85,86, 88-90, 92,93,98
A	US 5 321 501 A (HUANG DAVID ET AL) 14 June 1994 (1994-06-14) column 6, line 22 -column 9, line 2;	59-69, 85,86, 88-90, 92,93,98

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-58,71,101,102

apparatus for optical imaging employing an interferometer, a spectral separating unit, and a plurality of detectors.

2. Claims: 59-61,62-66,67-68,69,85-86,88,89,90,92,93, and 98

apparatus for optical imaging employing an interferometer, a spectral separating unit, and a plurality of detectors.

Box I	Observations where certain claims were found unsearchable (Continuation of item 1 of first sneet)
This Inte	ernational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1.	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2.	Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3.	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II	Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This Inte	ernational Searching Authority found multiple inventions in this international application, as follows:
	see additional sheet
1. χ	As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.	As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.	No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remar	The additional search fees were accompanied by the applicant's protest. X No protest accompanied the payment of additional search fees.

	INTERN NAL SEARCH			ORT	national Application No		
•	Inform.	on patent family mer	mbers	<u> </u>	T/US 03/02349		
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INTER PNAL SEARCH REPORT

nform....i on patent family members

'national Application No T/US 03/02349

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